

Contents

権利	Copyrights United Nations University
シリーズタイトル	Technology transfer, transformation, and development : the Japanese experience
journal or publication title	Vocational Education in the Industrialization of Japan
year	1987
URL	http://hdl.handle.net/2344/00050930

Contents

Tables	vii
Figures	ix
Preface	
Takeshi Hayashi	xi
Part I. Overview	
Chapter 1. Development and Education	
Toshio Toyoda	3
Chapter 2. Vocational Education in the Takeoff Period	
Mamoru Satō	27
Chapter 3. The Development of Vocational Continuation Schools	
Mamoru Satō	46
Part II. Case Studies of Vocational Schools	
Chapter 4. Woodwork: The Sendai City Vocational Apprentice School	
Mamoru Satō	73
Chapter 5. Lacquerware: The Aizu Lacquerware Apprentice School	
Arata Haneda	83
Chapter 6. Ceramics: The Seto Ceramics School	
Eiichi Yamashita	93
Chapter 7. Machinery: The Hiroshima Prefectural Worker Training School	
Dyeing and Weaving: The Minami-Tsuru Dyeing and Weaving School	
Johzen Takeuchi	109

vi CONTENTS

Chapter 8. Bamboo Working: The Beppu Technical Apprentice School	
Commerce: The Miyakonojō Commercial Continuation School	
Haruo Yamagishi	127
Chapter 9. Commerce: The Fukushima Commercial Continuation School	
Arata Haneda	154
Chapter 10. Agriculture: The Anjō Agricultural and Forestry School	
Eiichi Yamashita	167
Part III. The Growth of Enterprises and In-Company Training	
Chapter 11. Industrialization and In-Company Training	
Ryōichi Iwauchi and Satoshi Sasaki	187
Chapter 12. In-Company Training in Small and Medium Enterprises	
Akihisa Takaguchi	216
Part IV. Epilogue	
Chapter 13. Education and the Industrialization of Japan	
Toshio Toyoda	235
Contributors	261
Index	263

Tables

- 1.1. Human Resource and Economic Development (6–7)
- 1.2. Public Vocational Schools, 1892–1912 (14)
- 2.1. Major Export Items, 1878–89 (30)
- 2.2. Nationwide Apprentice Schools and Students, 1891–1924 (35)
- 2.3. Courses Offered in Public Technical Schools (42)
- 2.4. Government Subsidies for Vocational Education, 1897 (44)
- 2.5. Government Subsidies for Vocational Education, 1906 (45)
- 3.1. Public Vocational Schools, 1898–1917 (58–59)
- 3.2. Vocational Continuation Schools, 1898–1917 (62)
- 3.3. Vocational Continuation Schools, 1918–34 (66)
- 4.1. Sendai School Students by Class Origin, 1898 (78)
- 4.2. Sendai School Applicants and Those Admitted by Year and Residence (78)
- 4.3. The Direction of Sendai School Alumni (79)
- 4.4. Sendai School Enrollment Transition (79)
- 6.1. Households and Population of Seto, 1872–1913 (96)
- 6.2. Faculty, Students, and Alumni of Seto Ceramics School, 1895–1911 (97)
- 6.3. Graduates of Seto Ceramics School, 1898–1909 (105)
- 6.4. Seto Ceramics School Alumni Employment Record (106)
- 7.1. Apprentice Schools in the Late 1800s (110–11)
- 7.2. Technical Schools in the Late 1800s (112)
- 8.1. Future Course of Miyakonojō School Graduates, 1899–1929 (140–41)
- 8.2. Beppu Technical Apprentice School Students by Home Prefecture and Out-of-prefecture Students by Year (144)

viii TABLES

- 8.3. Correlation between Specialization at Beppu School and Work Pursued (144)
- 8.4. Course List for Miyakonojō Commercial School: Ordinary-Level School (145)
- 8.5. Curriculum for Beppu Technical Apprentice School, 1904 (146–47)
- 8.6. Comparison of Curricula at Miyakonojō Commercial School, 1917 and 1929 (149)
- 8.7. Miyakonojō School Graduates Going to Manchuria by Graduation Year (150)
- 10.1. Vocational Continuation Schools by Industry in Aichi Prefecture (168)
- 10.2. Vocational Continuation Schools by Required Length of Study in Aichi Prefecture, 1903 and 1907 (169)
- 10.3. Preparatory Course Curriculum, Anjō Agricultural and Forestry School (173)
- 10.4. Agricultural Courses at Anjō Agricultural and Forestry School (174–75)
- 10.5. Practical Training Curriculum for the Agricultural Course, Anjō Agricultural and Forestry School (178)
- 10.6. Anjō School Student Expenses (179)
- 10.7. Occupations of Parents of Anjō School Students, 1911 (180)
- 10.8. The Occupations of Anjō School Graduates (180)
- 11.1. The Positioning of Function (194)
- 11.2. Intra-Organizational Function of In-Company Training (195)
- 12.1. Mobility Background of Factory Workers in Osaka by Industry (220)
- 13.1. Social Background of University of Tokyo Students, 1878–85 (239)
- 13.2. University and Junior College Enrollment by Subject Area, 1960–80 (248)
- 13.3. Graduate School Enrollment by Major, 1960–80 (249)
- 13.4. Enrollment in Science and Engineering Departments, 1950–83 (250)
- 13.5. Schools, Teachers, and Students in Special Training and Miscellaneous Schools (253)
- 13.6. Enrollment in Special Training Schools by Specialized Area, 1980 (253)
- 13.7. Enrollment in Miscellaneous Schools by Course (254)

Figures

- 1.1. International Comparison of School Enrollment 1960–75 (9)
- 3.1. Enrollment Rate of School-aged Children, 1873–94 (51)
- 6.1. Dr. G. Wagner and Students of the Tokyo Worker Training School (101)
- 8.1. Hometown Origin of Miyakonojō School Graduates during the Ordinary-Level Period, 1907–17 (143)
- 10.1. Comparative Chart of Applicants, Incoming Students, Dropouts, and Graduates of Anjō School, 1901–11 (181)
- 13.1. Enrollment in Elementary, Secondary, and Higher Educational Institutions, 1875–1960 (237)
- 13.2. Compulsory School Enrollment, 1873–1918 (238)
- 13.3. Non-enrollment and Illiteracy, 1873–1920 (239)
- 13.4. Vocational Education, 1868–1915 (242–43)
- 13.5. Enrollment in Higher Educational Institutions, 1870–1980 (246)
- 13.6. Enrollment in Higher Educational Institutions, 1950–80 (247)
- 13.7. Enrollment in Graduate School, 1950–80 (247)
- 13.8. Science and Engineering Graduates, 1955–80 (251)
- 13.9. Special Training Schools in Relation to the School System (252)
- Appendix. Historical Review of the Japanese School System (258–59)